30 YEARS

OF INNOVATION IN PRO AUDIO TECHNOLOGY

1976-2006

Founded in 1976 in London, England, HHB has earned a global reputation as an innovator in professional audio.

As long ago as the early 1980s, the company worked in close co-operation with Sony to pioneer the professional acceptance of digital mastering, digital multitrack recording and DAT.

In the 1990s HHB's PORTADAT became the industry standard for location recording, notching up countless credits on blockbuster movies such as 'Titanic'.

HHB was similarly active in the early days of CD-R. Identifying the need for a robust, high-performance CD recorder designed specifically for professional studio use, HHB produced the CDR800, the first in a series of products culminating in the CDR830 BurnIT and BurnIT PLUS which remain, to this day, the choice of demanding professional users the world over including record producer Mike Hedges.

It's the same story with MiniDisc. As professional users struggled with flimsy, consumer devices, HHB stepped in with the PORTADISC – a truly professional recorder which combines rugged reliability with great sound quality and a full feature set.

With digital audio firmly established, professional users were nonetheless required to use consumer media. Once again, HHB reponded to its customers' needs with a full range of recording media designed for professional audio applications, which today encompasses all popular tape and disc-based formats.

Today, the innovation continues. Sound mixer Hammond Peek won an Oscar® at the 2006 Academy Awards® for his work on the epic 'King Kong', for which he used HHB's ground-breaking PORTADRIVE 8-channel location sound recorder.

And the new HHB FlashMic is the world's first and only digital recording microphone.

In the year of our 30th anniversary, HHB thanks its many customers around the world for their support, and looks forward to the next 30 years of innovation in professional audio technology.

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FIRST WE LISTEN

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FIRST WE LISTEN

PROFESSIONAL AUDIO PRODUCTS

HHB sets the global standard for innovation in professional audio technology

Celebrating 30 years at the forefront of digital audio technology, HHB manufactures a comprehensive range of ground breaking, feature-packed products that are relied upon daily by audio professionals around the world.

Typical of HHB's innovative approach to new product design is the FlashMic DRM-85 – the world's first ever digital recording microphone. Combining a high-quality mic capsule with a built in Flash recorder and USB interface, FlashMic frees journalists and podcasters from fiddly cables, providing an 'all in one' solution that's sturdy and easy to use.

The HHB company motto is 'First We Listen'. Before we design a product, we listen to our customers to better understand their specific requirements, then design and build a product that entirely meets their needs.

The new HHB CDP-88 professional rack-mounting CD player is packed with features like instant start, frame-accurate cueing, Word Clock and a full range of professional analogue and digital connectivity to ensure that it enhances both productivity, and the experience of the operator, wherever it is used.

HHB has a well earned reputation for building products that last. The PORTADISC portable MiniDisc recorder uses a professional 'data' drive, rugged XLR connectors and a tough, protective case to withstand the type of punishing environmental conditions encountered by

film makers Kari Herbert and Laurence Blyth shooting the documentary 'The Cry Of The Hunter' in Greenland, where temperatures dipped as low as minus 25 degrees centigrade.

HHB CD recorders are installed in music recording studios, post and broadcast studios all over the world, where users demand the sound quality and reliability that only a properly engineered, professional product can deliver.

And with a range of recording media that now encompasses all popular tape and disc-based formats, countless professional users the world over simply will not trust their valuable recordings to anything other than HHB professional recording media, which sets the standards for performance, dependability and long term archival security.

King Kong, The World's Fastest Indian, Charlie And The Chocolate Factory, – blockbuster movies depend on the HHB PORTADRIVE for location sound recording

Developed with the specific needs of the modern sound mixer in mind, the revolutionary HHB PORTADRIVE is already a big hit on countless blockbuster movies.

"Solid build, 8 track flexibility and reliable hard disk recording made PORTADRIVE the recorder of choice for King Kong" says Stephen Buckland of HHB's New Zealand distributor Sound Techniques, commenting on sound mixer Hammond Peek's decision to use the PORTADRIVE on Peter Jackson's epic remake. Peek's extraordinary achievement in sound mixing on King Kong was recognised with an Oscar® at the 2006 Academy Awards®.

Meanwhile, recording the sound of a vintage motorcycle at high speed on the Anthony

Hopkins movie The World's Fastest Indian, sound mixer Mike Westgate used high output moving coil mics in conjunction with the 15dB internal pads of the PORTADRIVE's mic preamps.

"I must confess feeling some pangs of concern as I watched my PORTADRIVE fly past strapped to the back of rider travelling at over 100 miles-per-hour, but in typical HHB fashion the results were quite outstanding!", reports Mike.

Award-winning Charlie And The Chocolate Factory sound mixer Tony Dawe is also an enthusiastic user of the PORTADRIVE.

"I know a lot of guys are ready to start using hard disk recording on location. With PORTADRIVE, HHB has delivered the perfect solution. PORTADRIVE has dispelled any reservations I had about HD technology and it has some fantastic features, including 8 channel recording and the ability to burn rushes straight to DVD. The PORTADRIVE also excelled in trials to check compatibility with post-production workflow, a very important consideration for the production."

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DIGITAL RECORDING MICROPHONE

FlashMic DRM85

The HHB FlashMic is the world's first professional digital recording microphone. It combines a high-quality, Sennheiser omni-directional condenser capsule with an inbuilt, broadcast-quality Flash recorder. FlashMic is a convenient, easy to operate and durable recorder that's perfect for use in all voice recording applications, including press and broadcast journalism, radio interviewing, podcasting, meetings, etc.

With no messy cables, just one button press is all it takes to start recording in either linear or MPEG 2 formats. Simple 'drag and drop' file transfer at up to 70x real time to a Mac or PC for editing or onward transmission is enabled by a 'plug and play' USB connection. Two AA batteries provide more than 8 hours continuous power and, with a 0 - 10 seconds pre-record buffer and 1GB of flash memory, you can be sure that you'll never miss a word of that important interview with a FlashMic.
With a total capacity of 999 tracks and more than 18 hours recording to 1GB of internal Flash memory, FlashMic entirely eliminates the worry of running out of tape or disc space. Holding the record button down for more than 2 seconds locks the FlashMic in record mode for complete security during, for instance, podium recordings, and visible warnings of low battery life and low recording memory add further peace of mind. Pressing the record button briefly during a recording inserts a location marker which can be read by popular editing applications.

With AA batteries included as standard, the FlashMic operates 'straight out of the box'. However journalists and news organisations will welcome the included FlashMic Manager PC/Macintosh software to program 9 user presets, pre-configuring the FlashMic for specific applications, file-naming protocols and streamlined workflow.

Alongside the obvious advantages of pristine sound quality, ease-of-use, dependability and enhanced workflow, FlashMic also brings the additional benefit of an imposing physical presence – which, as experienced journalists know, can be invaluable in a 'media scrum'!

CONNECTIVITY

FlashMic has a built in USB port for fast transfer of recorded data to a computer. Both USB 1.1 and USB 2.0 protocols are supported.

The headphone socket accepts a standard 3.5mm jack.
The mono signal from the A/D converter is sent to both channels of the headphone jack. The output from the headphone socket can also be connected to the analogue line-in on any soundcard, should external recording be required.

KEY FEATURES

- Convenient, portable and extremely easy to use
- Rugged build quality, designed to withstand the rigours of portable recording
- High-quality, omni-directional Sennheiser condenser microphone capsule for broadcast-quality recording
- Very high quality microphone preamplifier with full manual or automatic gain control (AGC)
- 1GB Flash memory for digital audio recording
- Maximum record time of over 18 hours
- LCD display with backlight for time, level and status information
- USB-Interface for transfer of audio data (configured as a mass storage device), also used for configuration presets and FlashMic firmware updates
- Headphone amplifier with volume control
- 9 user templates can be configured externally using the FlashMic Manager PC/Mac software supplied
- Real time clock. Time-date can be updated from the mic or when linked to host PC/Mac
- Uses 2 x standard AA or rechargeable AA batteries
- Battery remaining indicator with visible low battery warning
- Battery life greater that 8 hours (1500mAh primary cells)
- Pre record buffer adjustable from 0-10 seconds
- Records linear 32, 44.1 or 48kHz, or MPEG 1 Layer 2 encoded audio (128 - 192 kbps) broadcast wave (.wav) files, including time stamp.
- Simple mode of operation where presets from external PC/Mac templates can be recalled
- Expert mode of operation where all variables are accessible on the FlashMic
- Record time remaining indicator with low time remaining visible warning
- Switchable high pass filter, 12dB/octave @ 100Hz

A COMPLETE PACKAGE

The FlashMic comes complete with a pouch, stand clamp, USB cable, FlashMic Manager software, 2 x AA batteries and user manual. Optional table stand and windshield available.

PROFESSIONAL CD PLAYER

CDP-88

Due to ship in the second half of 2006, the HHB CDP-88 is an easy-to-use, 1U rack-mounting CD player packed with an unprecedented array of professional features and a full complement of analogue and digital connectivity. Sonic integrity is assured by 24-bit Delta Sigma D/A converters, and the CDP-88 is uniquely equipped to sync to Word Clock at any frequency from 32 to 96kHz (even in varispeed), allowing direct digital integration into any environment where all equipment is referenced to a common clock.

Unlike some professional CD players, discs are tray-loaded, not via a slot in the front panel, which can lead to disc scratching and dust contamination. Compatible with 8 and 12cm discs, the CDP-88 plays CD and MP3-CD discs, and both finalised and unfinalised CD-R and CD-RW discs. And with a proven track-record in CD technology, HHB has engineered the CDP-88 without compromise to deliver many years of dependable service in even the most demanding environments.

Comprehensive remote control facilities include RS232 and parallel, alongside the supplied infra-red/wired remote control. With broadcast and critical live sound applications in mind, the CDP-88 is equipped with frame accurate cueing with jog sound, a RAM buffer for instant track start, a fader start interface, a playback shock buffer and the facility to enter playback mode quickly from power up.

A 2-line display on the front panel gives a clear indication of elapsed time, track time remaining and disc time remaining, along with a track intro/outro display mode and a disc error rate display.

KEY FEATURES

- 1U 19" rack-mountable
- Plays CD, MP3 CD, CD-R and CD-RW discs
- Plays finalised and unfinalised CD-R and CD-RW discs
- Balanced XLR and unbalanced Phono (RCA) analogue outputs
- AES/EBU XLR digital output
- Optical and coaxial SPDIF digital outputs
- Word Clock input with SRC (locks to Word Clock from 32 - 96kHz)
- 24-bit Delta Sigma D-A converters
- RAM buffer for instant track start
- Frame accurate cueing with jog sound
- Fader start interface
- Varispeed ± 12.5%
- Track Intro and Outro display mode
- Elapsed, Track remaining and Disc remaining time displays
- Disc error rate display
- Headphone output with level control
- Digital output attenuator
- Fast Playback from power up
- Playback shock buffer
- Infra-red / wired remote control supplied
- RS232 and parallel remote connections
- Universal voltage 100-240 VAC 50-60Hz

CONNECTIVITY

The CDP-88 is equipped with a comprehensive range of rear-panel connectivity to accommodate all professional applications. Both balanced XLR and unbalanced Phono (RCA) analogue outputs are provided, along with AES/EBU, optical SPDIF and coaxial SPDIF digital outputs. The Word Clock input locks the internal SRC to 32-96kHz to give a synchronous output, and RS232, parallel and serial remote control connections are provided.

PORTADRIVE PDR2000

The HHB PORTADRIVE PDR 2000 Location Sound Recorder combines 24-bit/96kHz multichannel recording on a rugged, removable HDD with simultaneous multi-format DVD±R/RW/DVD-RAM/CD-R/RW recording to an external device and all the features and facilities required to enable the sound recordist to work efficiently and effectively in even the most demanding conditions. And because audio is recorded in either AES31-3 or Pro Tools V5 session formats (using BWF or SDII audio files respectively) it's easy to transfer recorded data directly to Mac or PC workstations, resulting in considerable time and cost savings in post-production.

Simultaneous recording from analogue and digital sources is easy, with comprehensive internal routing giving the user complete flexibility. Pristine audio quality is assured by ultra-high quality, low-noise microphone inputs (with adjustable delays for time alignment) and advanced, 24-bit/96kHz converters.

Developed in consultation with leading sound recordists, all the PORTADRIVE's front panel controls are arranged to give immediate and intuitive access to the most frequently required functions. A lockable 5-position rotary switch controls the key transport functions while four front-panel Primary Mode buttons allow rapid access to the control, metering and monitoring of all audio signals. A Review function allows the user to check the last audio take and a Mark button enables the easy identification of points within a session. Six rotary encoders operate in conjunction with a large, transreflective LCD for the easy adjustment of any displayed parameter. Undo, Jam TC, Slate, Tone and Group function buttons are protected from accidental use with an Enable button.

Top panel facilities have been arranged into a highly intuitive, hierarchical navigation system allowing the user to set every system parameter and configure their recording sessions to suit their workflow. Large transport controls on the top panel allow convenient operation of the PORTADRIVE's Locate and Playback functions, and also to name, store and recall entire system configurations.

KEY FEATURES

- Rugged, all in one, portable 8-channel hard disk (HDD) audio recorder
- 3 comprehensively equipped 6-into-2 digital mixers built-in
- Session based recording using either AES31-3 ADL or Pro Tools V5 formats, simplifying production workflow
- Over 4 hours of uncompressed 8-channel 24-bit/96kHz or around 20 hours of 4-channel 24-bit/48kHz recording on removable 40GB HD
- Simultaneous recording of mono or stereo rushes to external DVD-RAM drive or other storage device
- 6 high gain, very low noise microphone balanced XLR-3 inputs with individual phantom powering, 'gangable' limiters, input pads, high pass filter (HPF), and phase reverse
- Mic inputs also feature adjustable delays to correct microphone time alignment
- 8 balanced line inputs
- Two analogue balanced stereo outputs
- 8-channel AES input and output, stereo SPDIF input and output
- M/S decoding available on inputs and outputs
- Advanced power management
- Built-in battery charging circuitry
- 8-channel metering with clip and limiting indicators
- Built-in slate mic and tone generator
- Extensive headphone monitoring capability including designated 6-into-2 mixer
- 6 multi-function rotary encoders
- 10 second pre-record buffer
- Top and front panel LCD and control interfaces
- Comprehensive timecode and synchronization capability
- Supports tri-level synchronization for compatibility with HDTV technology
- 2.5" HDD in robust removable caddy ensures extremely reliable recording
- HD compatible with both PC and Mac platforms (FAT32, HFS)
- Records in industry-standard BWF or SDII audio formats
- Metadata (scene, take, comments) can be stored and transferred with audio files
- SCSI interface
- USB2.0 (USB1 compatible) port for high speed data transfer between the PORTADRIVE and a computer
- Ethernet port for file transfer and upgrades
- Comprehensive remote control via a parallel remote socket
- PS2 for connecting keyboard to ease logging / labelling
- Optional 5.25" PDRDS and PDRDSUF Docking Stations allows removable HD caddy to be plugged directly into a computer drive bay or external drive enclosure
- Optional DC-powered PDRDVDBU multi-format back-up drive for recording or backing up on location

ACCESSORIES

PDRDSUF FireWire/USB Docking Station (optional).

PDRDS Docking Station (optional).

PDRDVDBU Multi-Format Back Up Drive (optional).

PDRCC Carrying Bag (optional).

PDRNPL7 Lithium Ion Battery & A/C adaptor/charger (1 supplied).

PDRJL2 IDX 2-bay charger (optional).

PDRDC40 40GB HDD Caddy (supplied)

PDRDC80 80GB HDD Caddy (optional)

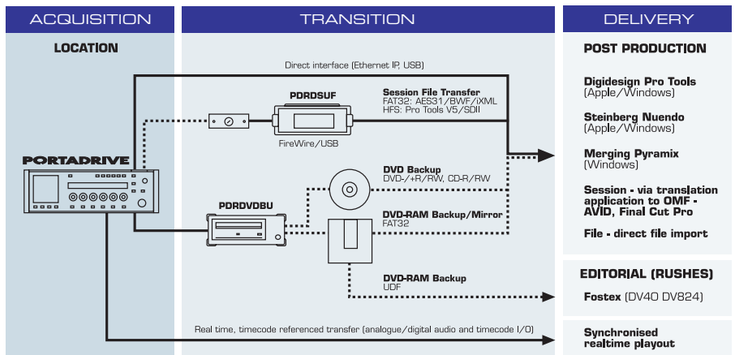
CONNECTIVITY

Extensive audio, synchronization, data and control connectivity includes: 6 high gain, very low noise microphone balanced XLR-3 inputs with individual phantom powering, gangable limiters, input pads, high-pass filter, delay and phase reverse.

• 8 balanced line inputs • 8 channels of AES digital inputs and outputs on a 25-pin D-sub connector • Balanced analogue main and auxiliary outputs • A balanced stereo AES digital output • RCA phono stereo SPDIF digital I/O • Word clock output on a BNC connector • Sync input (word clock, video, tri-level) on a BNC connector • A 5-pin LEMO socket for timecode interfacing • A 1/4" stereo jack headphone socket • A SCSI interface • An Ethernet interface • A USB2.0 interface (USB1.1 compatible) • Parallel remote control interface • A PS2 socket for connecting a keyboard

WORKFLOW

Users particularly value the logical and ideal workflow PORTADRIVE presents from audio capture right through to rushes and post. With native and comprehensive support for AES31-3 ADL and Pro Tools V5 formats, including extensive iXML metadata implementation, files recorded on PORTADRIVE transfer instantly to PC and Mac DAWs, saving time and money. Utilising PORTADRIVE's multi track capabilities is proven to reduce, if not eliminate, the need for complex and costly studio ADR.



INTELLIGENT POWER

The PORTADRIVE is powered by a single 71 Watt Lithium Ion NPL7 battery or an AC adaptor, both of which are supplied. External battery power can also be used. Intelligent power safety features provide seamless changeover between external and internal battery power, with the A/C adaptor doubling as a charger for the battery when the PORTADRIVE is not in use. An optional PDRJL2 dual-bay charger is also available and, when fully charged, the battery provides approximately 3 hours of constant operation, with the 'power remaining' displayed to an accuracy of ±5%. Because the PORTADRIVE can be configured precisely for each job, power conservation is further optimised (for instance by switching off mic inputs that are not in use), and an additional level of flexibility is provided by compatibility with conventional NiMH or NiCad NP batteries.

REMOVABLE HD

For proven reliability, high data rate and uncompromised multichannel high-resolution recording times, the PORTADRIVE records onto tough, shock-proof removable hard disk drives. A 40GB HDD is supplied as standard, with optional 80GB drives also available. Transferring files to Mac or PC-based DAWs is quick and easy using the optional PDRDSUF FireWire/USB Docking Station.

PORTABLE MINIDISC RECORDER

PORTADISC MDP500

With an advanced V4.5 ATRAC recording algorithm, high performance mic preamps, precision DACs, on-board limiters and bass roll-off, the HHB PORTADISC MDP 500 delivers portable MiniDisc recordings of exceptional quality.

Similar attention has been paid to build quality with a dependable, professional MD drive – not a low-cost consumer device – housed in a tough, 1.2mm steel chassis with transport keys and function buttons protected by a durable rubber moulding.

Developed in consultation with leading sound recordists and ENG professionals, the PORTADISC handles perfectly in the field. Transport keys, record level controls and all major functions are ideally located for quick, easy access and menu structures are straightforward and logical. 5 user Set-Ups can be stored, selecting input sources, mic limiting / bass roll-off, phantom power, headphone monitoring formats, time / date display formats, auto track increment and threshold levels, etc. Features including a 6 second pre-record buffer, Auto Start with variable threshold and a 40 second memory buffer ensure everything gets recorded.

Record level controls are lockable and the main LCD display is large and clear with switchable illumination. 19 segment metering is provided with switchable peak hold and a margin indicator accurate in 1dB steps to -60dB. Headphone monitoring is available in Stereo, Mono-L, Mono-R and Both modes, with an additional, mono internal speaker provided for non-critical monitoring. Recording from digital sources is easy with a built-in sample rate converter accepting 32 and 48kHz signals and auto sync recording with CD and DAT IDs converted automatically to MD tracks.

In addition to disc and track naming, the PORTADISC™ also provides basic editing.

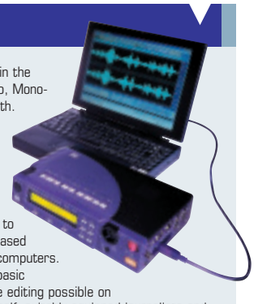
KEY FEATURES

- Designed in consultation with sound recordists and ENG professionals for use in demanding field recording applications.
- Rugged, dependable professional MD drive – not a consumer mechanism!
- NiMH rechargeable batteries, standard AA alkaline batteries, 12–15V DC and AC mains power.
- Advanced ATRAC 4.5 recording algorithm and 40 second memory buffer deliver high quality, glitch-free recordings.
- USB (Universal Serial Bus) interface for transferring audio to and from Windows-based PCs and Macintosh computers.
- Comprehensive connectivity – high quality balanced XLR mic inputs with switchable 48V phantom power, limiters and bass roll-off, analogue line outputs, coaxial and optical digital I/Os, parallel remote control.
- Large illuminated LCD display with wide viewing angle.
- 6 second pre-record buffer.
- Intuitive menu system with 5 User Set-Ups.
- On-board editing.
- Built-in SRC with digital sync recording.
- Includes soft case, carrying strap, NiMH battery caddy, spare battery caddy, AC adaptor/charger and HHB MD80 MiniDisc.
- Reporters Kit partners PORTADISC with Sennheiser MD46 interviewer's mic and accessories in a hard case.

CONNECTIVITY

Conveniently located on the side of the PORTADISC™, a comprehensive range of connectivity includes balanced XLR Mic/Line inputs, unbalanced RCA/phono line outputs, and both coaxial and optical SPDIF digital I/Os. Mic inputs feature switchable Attenuation (0dB, -15dB, -30dB), Bass Roll-off (Off, 75Hz, 150Hz), Limiter (On, Off, Ganged, Automatic Gain Control) and 48V phantom power. Individual settings can be stored as part of the selected and stored in the User Set-Ups: Stereo, Mono-Left, Mono-Right, Both.

PORTADISC's 5 User Set-Ups. Also located on the side panel are the parallel remote control and headphone sockets. The following headphone monitor modes can be



Unique to the PORTADISC™ is a USB (Universal Serial Bus) interface enabling the transfer of audio to and from Windows-based PCs and Macintosh computers. Complementing the basic Divide/Combine/Move editing possible on the PORTADISC™ itself, suitably equipped journalists and sound recordists can now record and edit finished programmes and news pieces in the field and transfer them via e-mail or ISDN, or write them to CD, etc.

COMPACT DISC RECORDERS

CDR830 BurnIT

With high precision 24-bit A-D converters and 24 bit multi-level Delta Sigma D-A converters, the HHB CDR830 BurnIT delivers recordings of the highest possible quality. The precise design of the CD laser assembly means that every single CD-R and CD-RW disc written by the BurnIT is exceptionally accurate, providing greater compatibility with other CD players and recorders. The CDR830 features an SCMS-free digital input with 3 easy to use synchro record modes and a built-in sample rate converter.

Solidly built for studio use, the CDR830 also features a CD Text feature enabling the user to store disc, track and artist names with every recording. This information is then displayed whenever the disc is played on a CD Text compatible CD player or recorder – perfect for demos, sound libraries, DJs, CD juke boxes, archiving, etc.

It's easy to record from CD, DAT, MD or hard disk using the BurnIT's SCMS-free digital input. A built-in SRC accepts sampling rates from 32kHz to 48kHz and there are 3 synchro modes: 1 Track, All Tracks and All Tracks with Finalize. When recording from a digital source, the BurnIT's digital record gain control can adjust the signal input level, enabling gain adjustment for individual tracks. Each digital input, both coaxial and optical, has its own level control. All signal levels can be monitored during recording or playback using the LCD meters, with an input monitor facility also provided. The BurnIT also has a left/right digital balance control.

Five CD-RW erase modes deliver great flexibility when compiling recordings. These include erasing individual tracks, several tracks, all tracks, erasing the table of contents or erasing the entire disc.

KEY FEATURES

- High-precision 24 bit A-D converters and 24 bit multi-level Delta Sigma D-A converters ensure exceptional sound quality
- CD Text display input and editing enables disc, artist and track names to be stored
- SCMS-free digital input
- Straightforward digital and analogue synchro recording with 1 Track, All Tracks and All Tracks with Finalize synchro modes
- Digital input gain control enables balancing of recordings made from different digital sources, e.g. CD, DAT, MD, etc.
- Digital left-right balance control
- Double speed CD finalization
- CDR830 BurnIT PLUS version available with Word Clock input, balanced digital I/O and balanced analogue I/O with selectable line/mic gain setting on input

CDR830 BurnIT PLUS

The HHB CDR830 BurnIT PLUS enhances the already comprehensive feature set of the HHB CDR830 BurnIT. A Word Clock input enables synchronisation to a host clock during playback, making the unit ideal for applications in which audio remains entirely in the digital domain. The BurnIT PLUS also features balanced XLR analogue I/O, balanced XLR digital I/O and a parallel remote socket, making it ideal for all professional applications. (Rear panel pictured above).

CONNECTIVITY

The standard HHB CDR830 BurnIT features unbalanced Phono (RCA) analogue I/Os, and optical and coaxial SPDIF digital I/Os.

The HHB CDR830 BurnIT PLUS adds balanced XLR analogue I/Os, balanced XRL digital I/O, Word Clock input and parallel remote socket.

Standard CDR830 BurnIT rear panel pictured below.

Recording Media

HHB has been supplying professional audio recording equipment for 30 years. During that time, we've played an important role in establishing the professional acceptance of many new digital formats including DAT, CD-R, MO and MiniDisc, with a range of HHB studio and location recorders.

Daily contact with broadcast, post, film sound, location and music recording professionals provides us with a unique insight into the very different requirements they have of their recording formats. But one thing everybody is agreed on is the need for dependable, high performance recording media.

HHB Professional Recording Media is designed to provide audio and video professionals with the highest possible levels of performance, compatibility and long-term archival security across all major digital recording formats.

Not tied to a single factory, we scour the world in search of the optimum manufacturing partner for each individual format, facilities capable of consistently producing HHB recording media products to our own exacting specifications.

If you're working in a critical application, don't trust your valuable recordings to anything less than HHB Professional Recording Media.

CDR

- Advanced Phthalocyanine dyes (CD-R) and In-Ag-Sb-Te phase-change material (CD-RW)
- Optimised for the lower speeds used in audio recorders
- High reflectivity for compatibility with a wide range of players
- Consistently low block error rates
- Ultra-low jitter performance
- Secure archival life in excess of 100 years (200 years for CD-R Gold)
- Full conformity with Orange Book Part II (CD-R) and Part III Version 2.0 (CD-RW)
- Tough protective coating
- For critical audio and data recording applications

CDR80 79 minutes 59 seconds, 1X - 12X, 700MB disc. HHB-branded and packed in a jewel case.

CDR80IP Printable version of the CDR80 optimised for inkjet printers. 79 minutes 59 seconds, 700MB, 1X - 12X, packed in a jewel case.

CDR74Gold The original HHB audio-optimised disc. 74 minutes 4 seconds, 650MB, 1X - 8X and packed in a jewel case.

CDRW80 79 minutes 59 seconds, 700MB, 1X - 4X rewritable disc. Packed in a jewel case.

CDR80BulkIP 50 disc Cake Pack of 1X - 12X inkjet printable 79 minute 59 seconds, 700MB discs.

CDR80BulkThermal 50 disc Cake Pack of 1X - 12X thermal printable 79 minute 59 seconds, 700MB discs.

DVD-R

- High performance 1X - 8X recordable DVD discs
- New dye formulation for unrivalled compatibility
- Registered with all major writer/recorder manufacturers
- Precision moulding ensures mechanical integrity
- Advanced bonding formulation for long-term reliability
- Consistently low block error rates and ultra-low jitter
- Brilliant white, quick dry printable surfaces
- Shape optimised for smooth workflow in automated systems
- Packed in library cases (except BULK)
- Secure archival life in excess of 50 years

DVD-R4.7GB-G Library-cased General Type DVD-R disc. Inkjet printable disc surface.

DVD-R4.7GB-G BulkIP 50 disc Cake Pack of General Type DVD-R discs. Inkjet printable surfaces.

DVD-R4.7GB-G BulkThermal 50 disc Cake Pack of General Type DVD-R discs. Thermal printable surfaces.

DVD+R4.7GB-Plus 4.7GB write once disc conforming to the DVD+R format. Inkjet printable disc surface.

DVD-RAM

- 4.7GB and 9.4GB discs available
- FLLC A Class laboratory certified
- In-Ag-Sb-Te phase change recording material
- 100,000 erase/record cycles
- Consistently low block error rates
- Durable, shatterproof cartridge

DVD-RAM4.7GB
4.7GB single-sided DVD-RAM disc.

DVD-RAM9.4GB
9.4GB double-sided DVD-RAM disc.

MO

- 2.6 and 5.25GB 5.25" MO disks
- 100% certified for sustained high speed data transfer
- Ultra-stable recording layer with high carrier to noise ratio
- 10,000,000 erase/write/read cycles
- 100 year lifetime warranty

MO2.6GB 2.6GB, 5.25" MO disks. Optimised for hi-bit audio recording and 100% certified for sustained high speed data transfer.

MO5.2GB 5.2GB, 5.25" MO disks. Optimised for hi-bit audio recording and 100% certified for sustained high speed data transfer.

MINIDISC

MiniDisc
- 74 min 59 sec and 80 min 59 sec professional audio MiniDiscs
- Block error rates 10 times lower than consumer media
- 1,000,000 read/write cycles
- UV coating protects discs
- Lubricating agent gives optimum contact with recording head
- Durable shell and foil shutter assembly
- Secure archival life in excess of 50 years

MiniDisc Data
- Developed specifically for use in multitrack recorders using the MD Data format
- Low block error rates
- High carrier to noise ratio
- 100,000 read/write cycles
- Secure archival life in excess of 10 years

MD74 74 min 59 sec professional MiniDisc. Secure archival life of 50 years.

MD80 80 min 59 sec professional MiniDisc. Secure archival life of 50 years.

MDD140 140MB data format MiniDisc for use in multi-track recorders. Secure archival life of 10 years.

DAT

- Independently proven to be the most dependable brand of DAT tape
- High performance DAT tape available in 6 convenient lengths
- Ultra-fine, high-density metal particle recording layer
- High output
- High retentivity
- Advanced binder formulation keeps block errors low
- Flexible film base minimises head wear
- Rigid, heat resistant shell improves tape handling
- Anti-static lid resists dust build up
- Advanced hub lock assembly improves braking action, reduces tape slack when ejecting and hence improves tape pack
- Shatterproof polypropylene cases
- Secure archival life in excess of 30 years

DAT15, 35, 50, 65, 95, 125
15 to 125 minute DATs. Packed in shatterproof polypropylene cases.

DTRS

- Approved by Tascam for all DTRS recording applications
- Double coated for high output and low block error rates
- Advanced binder compound for increased durability
- Rigid, heat resistant shell
- Secure archival life in excess of 10 years

DA30DC Double coated, Tascam approved 30 minute DTRS tape. Packed in a library case.

DA60DC Double coated, Tascam approved 60 minute DTRS tape. Packed in a library case.

DA113DC Double coated, Tascam approved 113 minute DTRS tape. Packed in a library case.

ADAT

- Approved by Alesis for ADAT multitrack recording
- Back coated for smoother tape handling
- Ultra-fine metal particle magnetic layer
- Advanced binder stops oxide shedding
- ABS shell with sliding record protect tab
- Secure archival life in excess of 30 years

ADAT45 45 minute Alesis approved ADAT tape in a cardboard sleeve.